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Certificate

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of Correction

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Richard POULIN et al.
Patent N° 6,949,679 *B1*
Filed: February 9, 2000
Title: POLYAMINE TRANSPORT INHIBITORS

REQUEST FOR A CERTIFICATE OF CORRECTION

U.S. Patent and Trademark Office
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Sir:

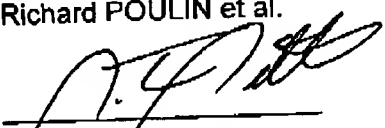
Enclosed herewith is a copy of the official Patent for which a certificate of correction is required:

The name of the third inventor "René Charest-Gaudrealt" should read -- René Charest-Gaudreault --.

Please correct accordingly and provide us with a Certificate of Correction.

Respectfully submitted,
Richard POULIN et al.

By:


Patrice Prévaille (Reg. No. 56,873)
Agent of Record
Ogilvy Renault LLP
Suite 1600-1981 McGill College Ave.
Montreal, Quebec, Canada H3A 2Y3
Tel: (514) 847-4928

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Date

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(12) **United States Patent**
Poulin et al.

(10) Patent No.: **US 6,949,679 B1**
(45) Date of Patent: **Sep. 27, 2005**

(54) **POLYAMINE TRANSPORT INHIBITORS**

(75) Inventors: **Richard Poulin, Sainte-Poy (CA);
Marie Audette, Cap-Rouge (CA); Rene
Charest-Gaudreault, St. Nicolas (CA)**

(73) Assignee: **Universite Laval, Québec (CA)**

(*) Notice: **Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.**

(21) Appl. No.: **09/529,319**

(22) PCT Filed: **Apr. 21, 1998**

(86) PCT No.: **PCT/US98/07806**

§ 371 (c)(1),

(2), (4) Date: **Feb. 9, 2001**

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PCT Pub. Date: **Oct. 28, 1999**

(51) Int. Cl.⁷ **C07C 211/13; C07C 211/22**

(52) U.S. Cl. **564/512**

(58) Field of Search **564/512, 154;
514/625; 424/78.27, 78.37, 78.35**

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(Continued)

Primary Examiner—Shailendra Kumar
(74) Attorney, Agent, or Firm—Ogilvy Renault

(57) **ABSTRACT**

The present invention describes the design, synthesis and therapeutic use of a variety of novel inhibitors of polyamine transport. The main feature of this class of transport inhibitors is to incorporate a linker or side chain that prevents the uptake of polyamines and helps to conjugate polyamine analogs to form dimers with high inhibitory potency against polyamine uptake. These new compounds incorporate features that are designed to maximize their chemical and metabolic stability and their ability to bind to the polyamine transporter, and to minimize their toxicity by preventing their absorption by the cells. The purpose of such inhibitors is to prevent the uptake or salvaging of circulating polyamines by rapidly proliferating cells such as tumor cells, in order to potentiate the effect of therapeutic inhibitors of polyamine biosynthesis such as α -difluoromethylornithine.

4 Claims, 35 Drawing Sheets